

FIG. 1A

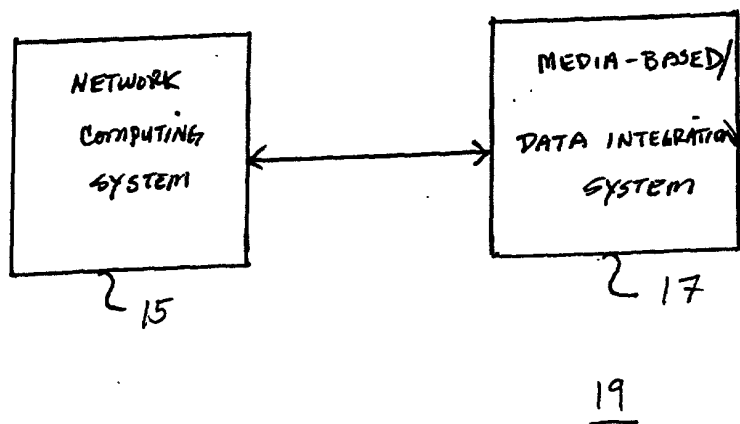
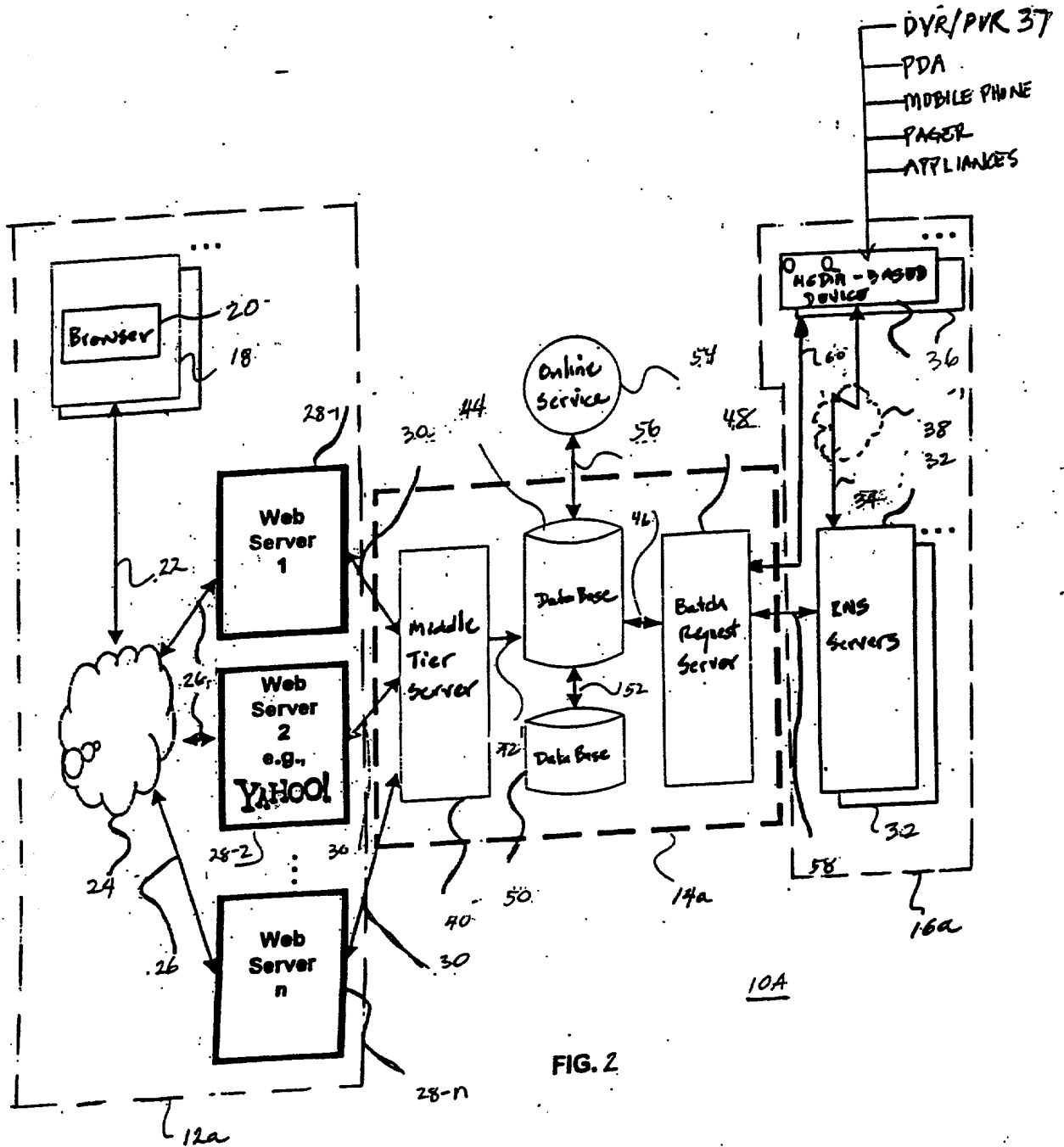


FIG. 1B



18/28/40/32/48/36

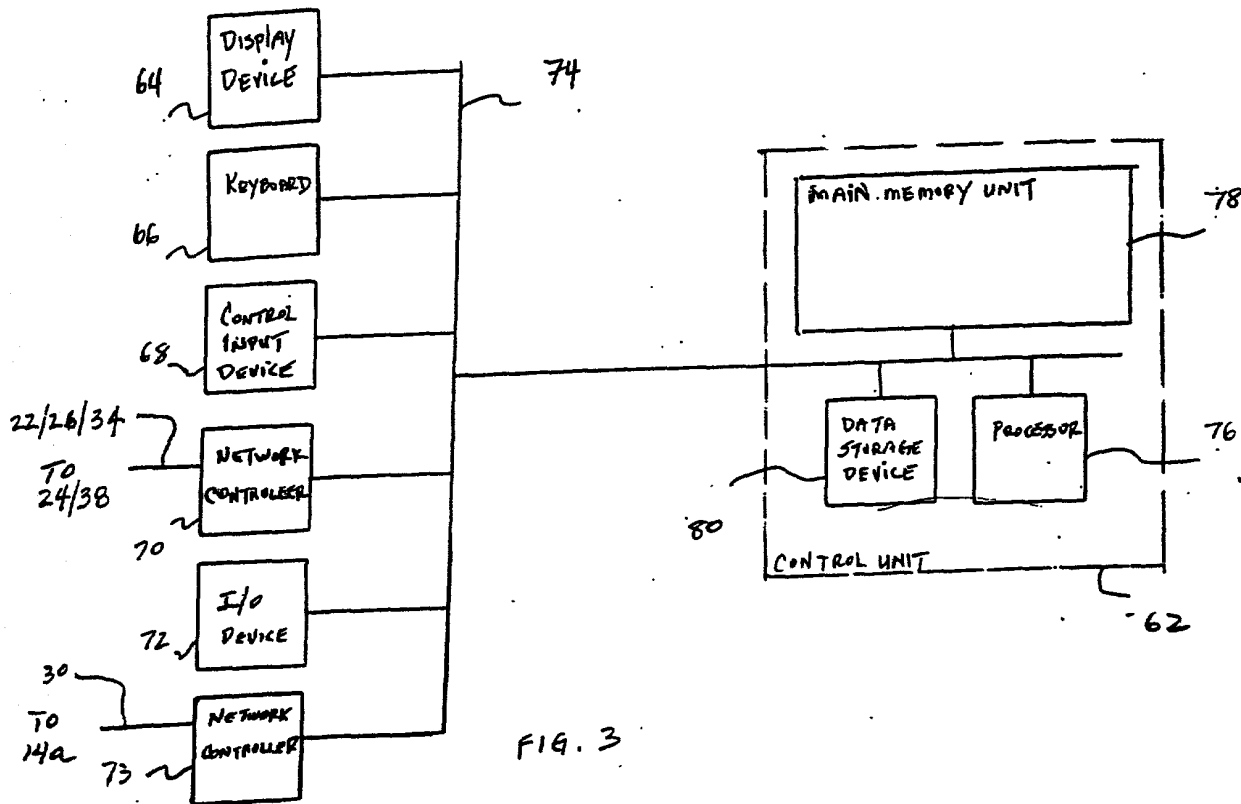


FIG. 3

2025-12-19 09:00

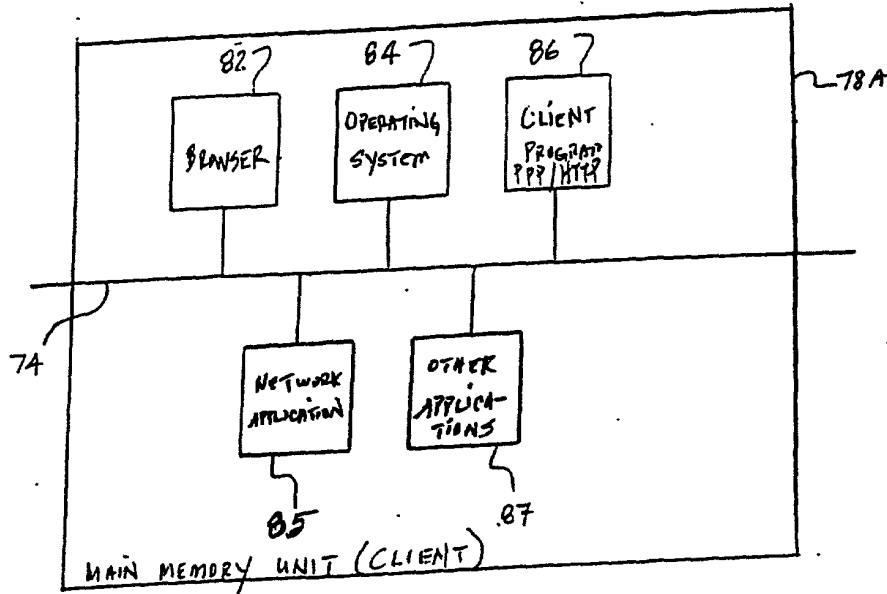


FIG. 4A

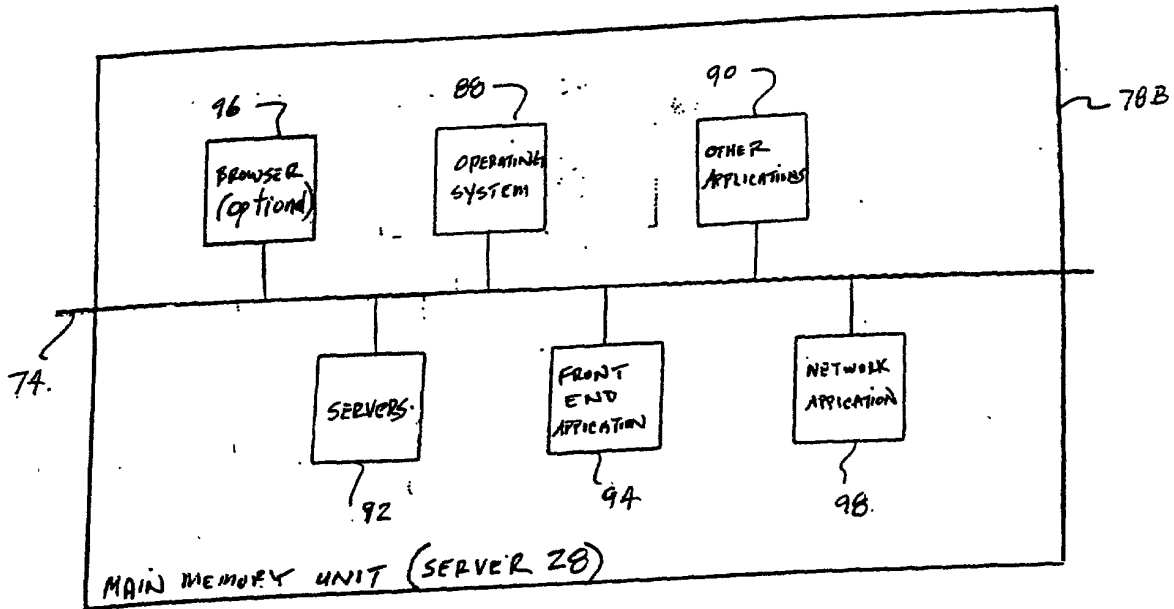


FIG. 4B

2025 RELEASE UNDER E.O. 14176

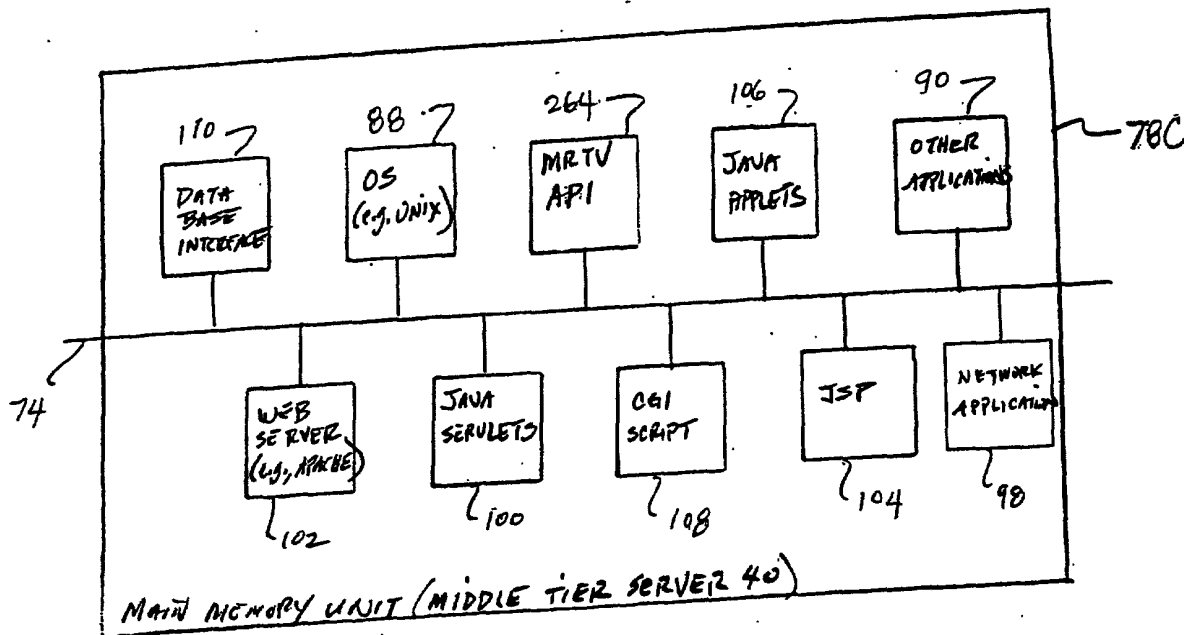


FIG. 4C

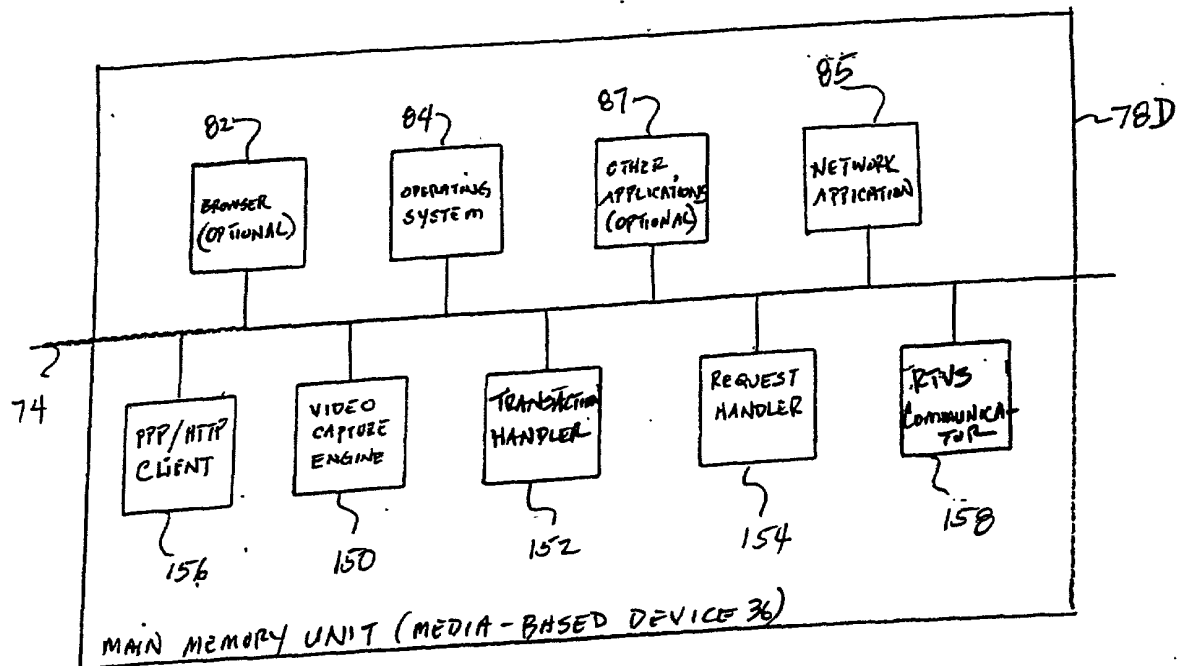


FIG. 4D



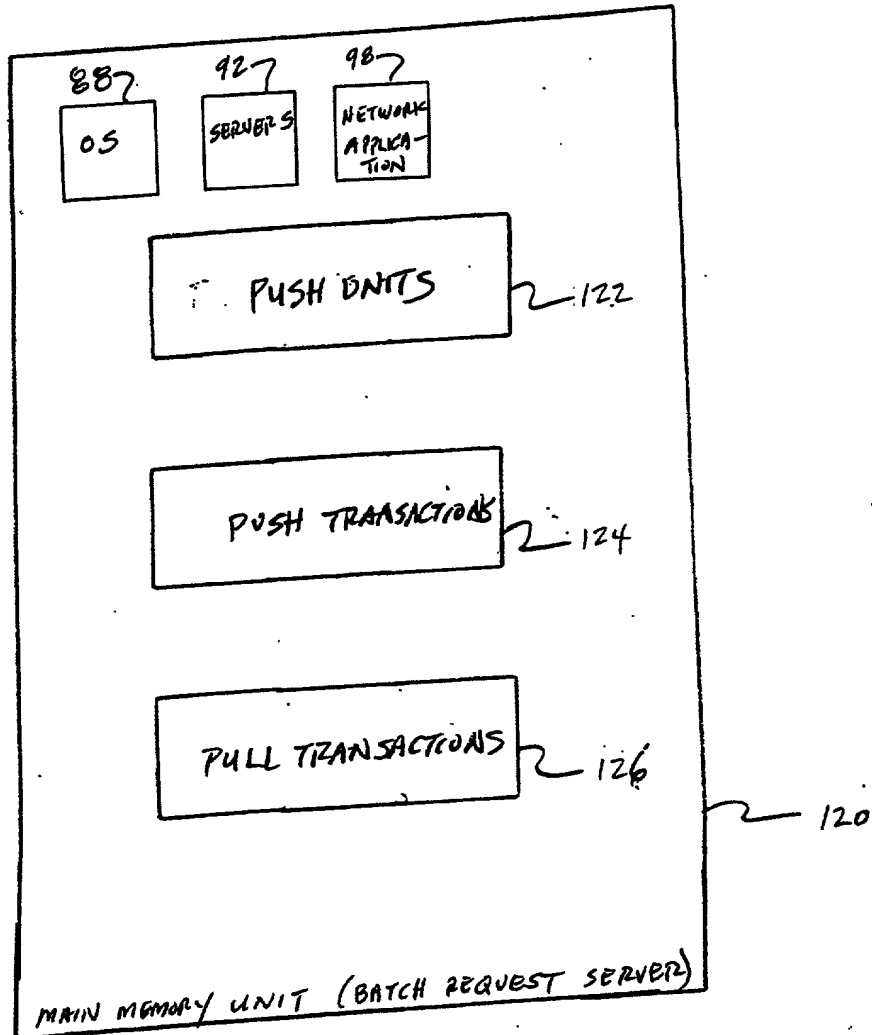


FIG. 6

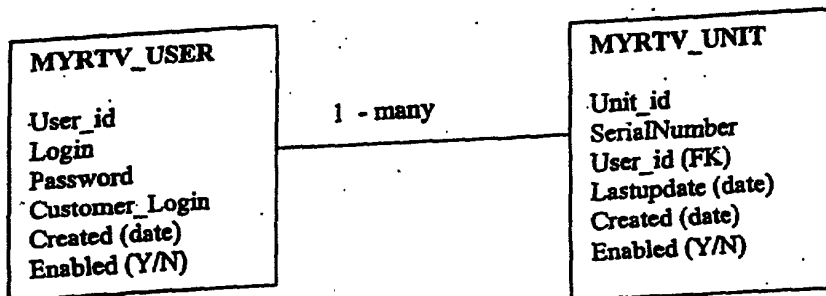


FIG. 7

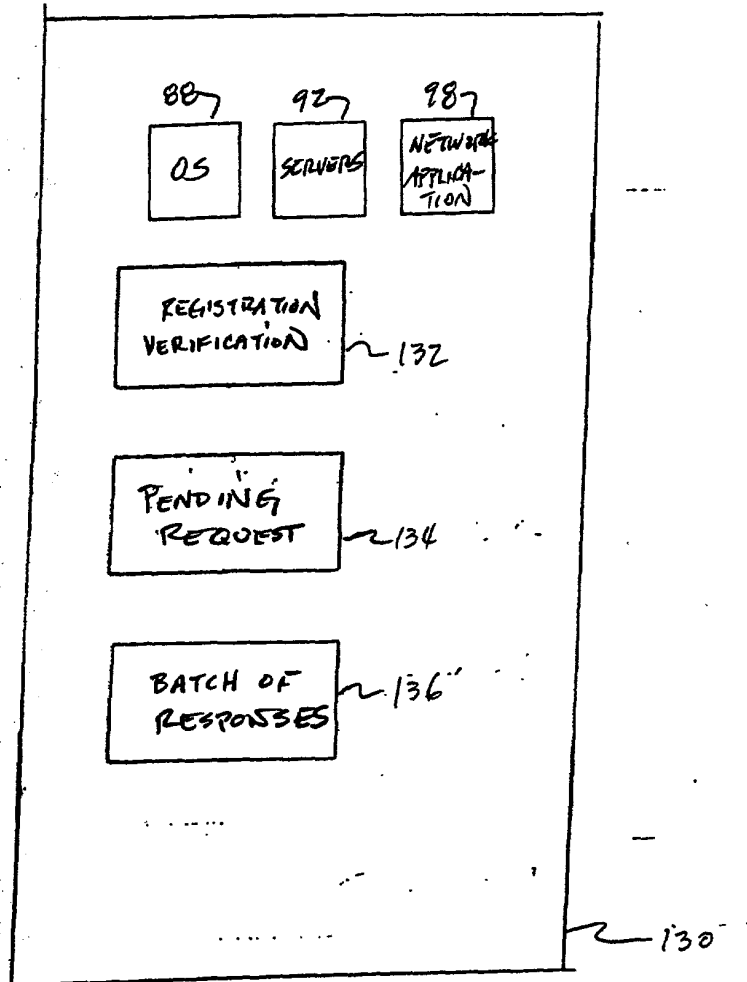


FIG. 8

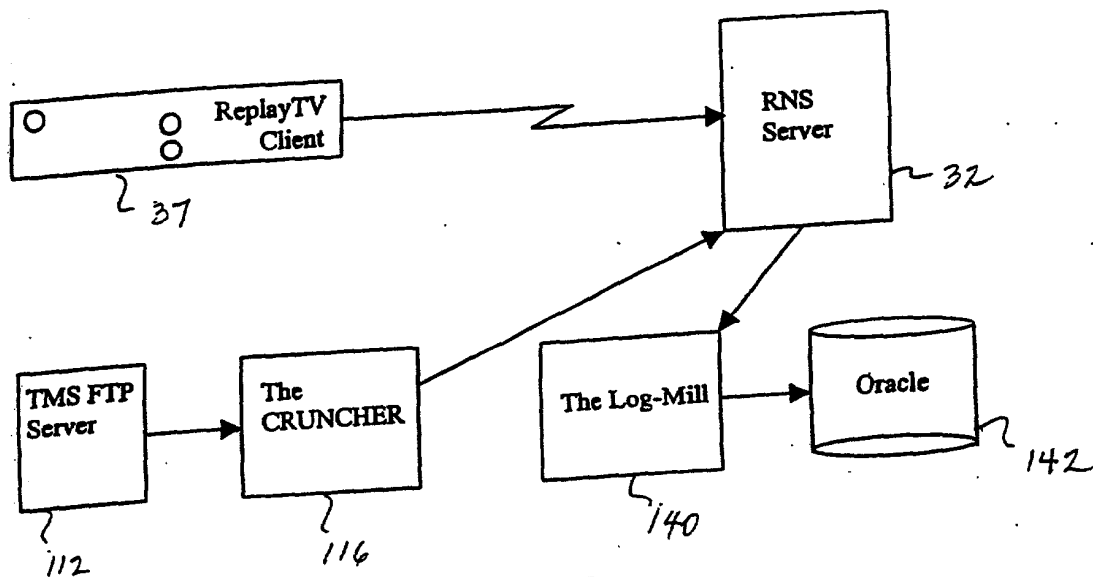


FIG. 9

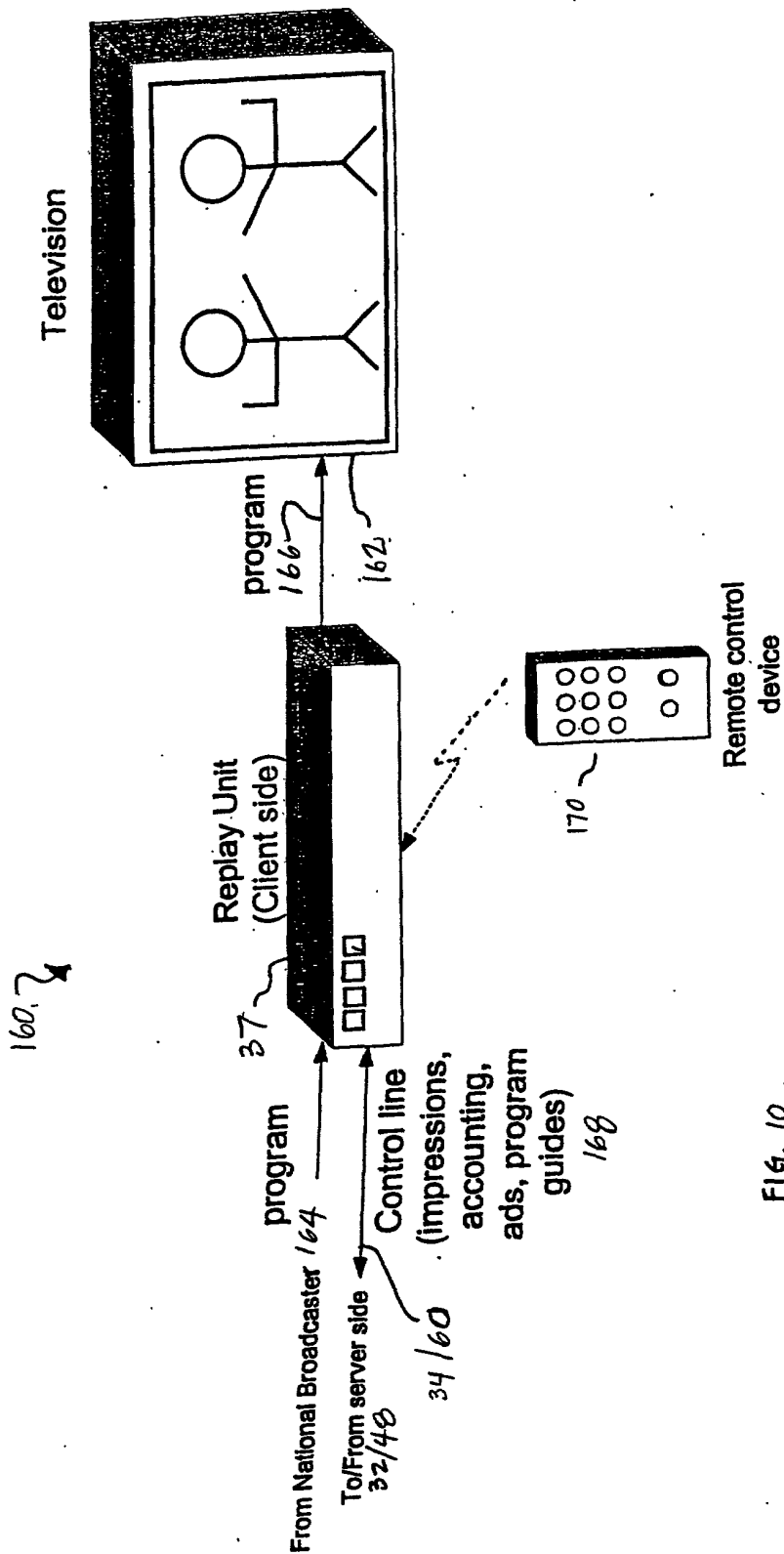


Fig. 10

The diagram shows a rectangular frame representing a web page. In the top left, the text 'my (r) replaytv' is displayed, with the 'r' inside a circle. Below this is the text 'marketing/promotional information'. On the right side, there is a login section. It includes a 'user name:' label followed by a rectangular input field, and a 'password:' label followed by another rectangular input field. To the right of the password field is a 'login' button. Below the password field are two links: 'remember my password' (preceded by a checkbox) and 'I forgot my password'. Below these links is a question 'Are you a new user to the myreplaytv website?' followed by a 'register' button. At the bottom left of the page are two links: 'help' and 'contact us'. Handwritten annotations include '182' pointing to the login button, '184' pointing to the password input field, and '180' at the bottom right of the frame.

my (r) replaytv
marketing/promotional information

user name: login

password: 184

☐ remember my password I forgot my password

Are you a new user to the myreplaytv website? register

help contact us

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FIG. 11

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Fig. 12A

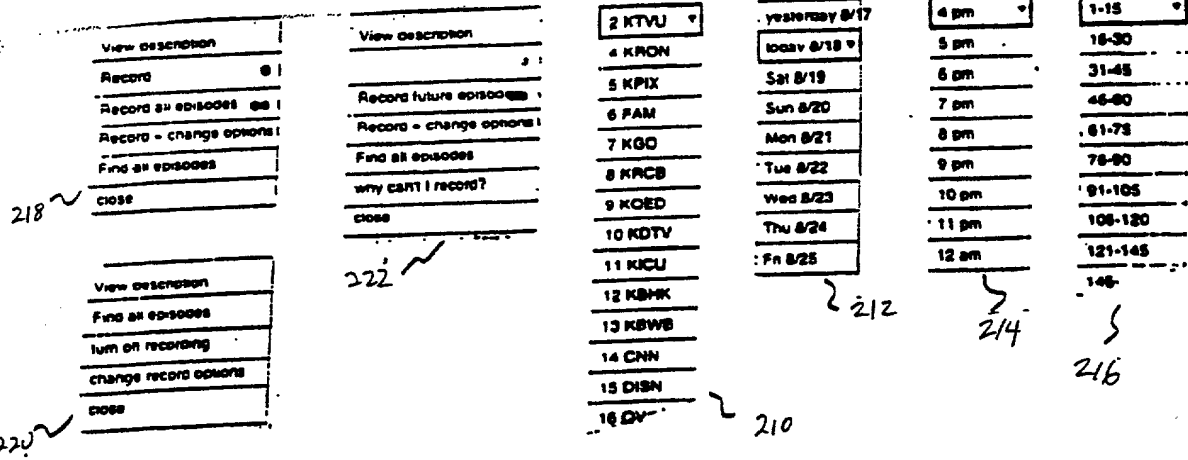
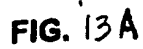


FIG. 12B

099544 030304



SEQUENCE DIAGRAM

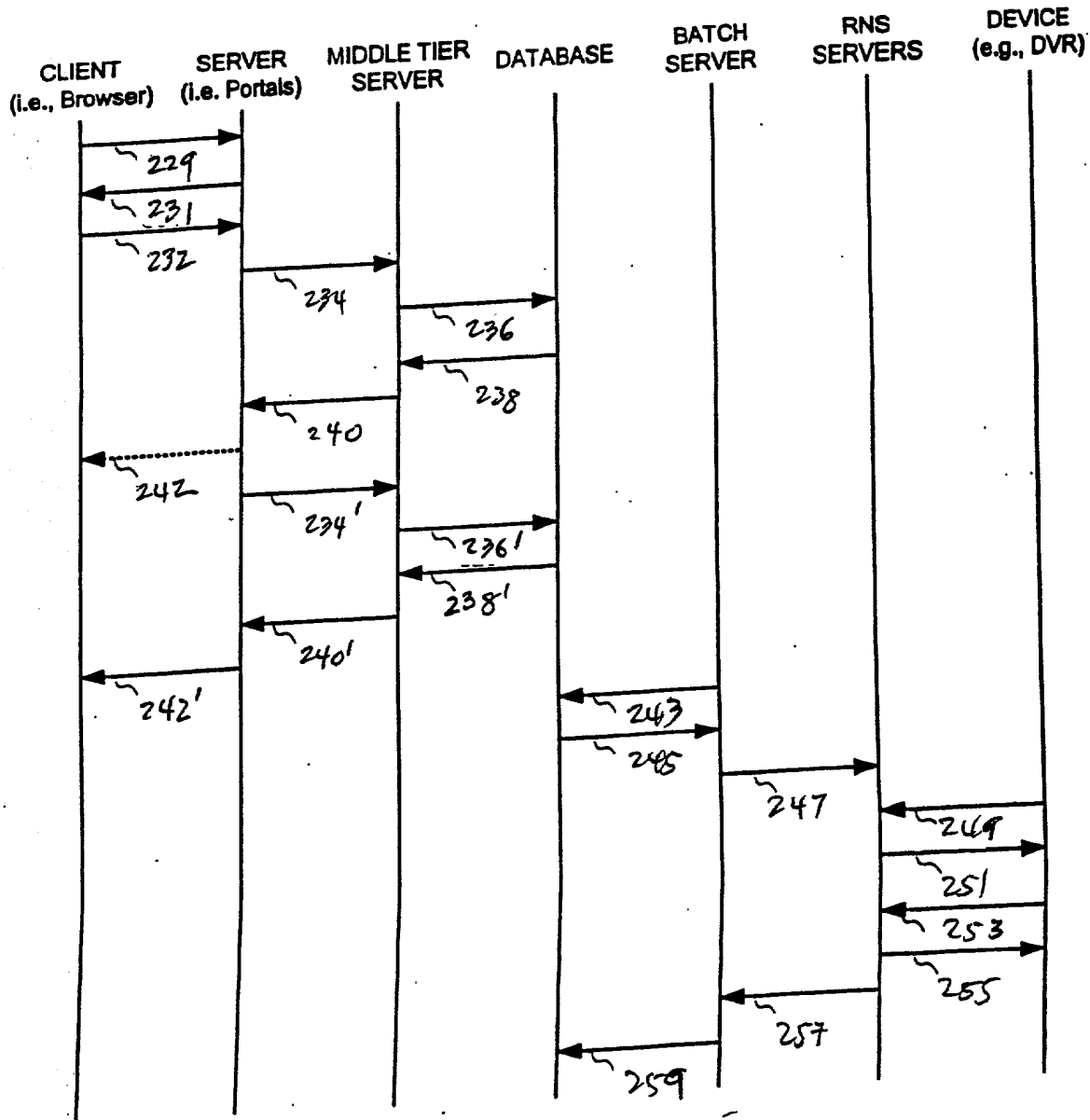


FIG. 13B

API Routine	Function
CreateAccount	Creates an account for a new user based on the information received
Login	Tries to authenticate a user based on the input username and password combination
GetProfile	Returns the profile of the user and his units based on his userid
AddRequest	Adds a request to the unit's list of pending requests based on a set of request parameters, and returns the full status of the unit and of the pending requests, including those for recording specified show(s) and deleting recorded show(s)
DeleteRequest	Delete a request from the user list of pending requests
GetReplayGuide	Returns the Replay Guide of the unit as saved in the appropriate database for the specified unit
GetChannelLineUp	Returns the channel lineup of the unit based on the unit's settings
ChangePassword	Lets the user changes his password
GetEPG	Returns the current electronic program guide for the unit based on the settings of the unit
ShowGuide	Returns detailed information about a specified show or search show details for particular shows based on criteria given as parameters

FIG. 14

API Routine	Input Parameters	Output Files (Corresponding XML elements)
CreateAccount	firstname, lastname, address1, address2, city, state, zipcode, serialnumber, login, password, creator	ACCOUNT.XML REPLAYERROR.XML
Login	login, password	ACCOUNT.XML REPLAYERROR.XML
GetProfile	userid	PROFILE.XML (USERINFO, UNITINFO-I) REPLAYERROR.XML
AddRequest	userid, unitid, reqtype(none, show, theme, update) reqtype=show: showtype(single, repeat, manual single, manual repeat), headendid, tmsid, device, starttimegmt, name, durationinminutes, inputsource, quality, guaranteedrecord, numepisodes, weekdayflags, earlieststartminutes, showguaminutes reqtype=theme: searchterm, searchflags, suzukid, durationinminutes, quality, guaranteedrecord reqtype=update: updatetype(deleteshow, preserveshow, deletechannel), channelid, showid	UNITSTATUS.XML (UNITINFO, REQUESTSTATUS-I) REPLAYERROR.XML *Note: REQUESTSTATUS Result=(PENDING, SENT, SUCCESS, GENERAL FAILURE, SCHEDULEFAILURE, ROOMFAILURE)
DeleteRequest	userid, unitid, requestid	DELETERESULT.XML REPLAYERROR.XML
GetReplayGuide	userid, unitid	GUIDE.XML (REPLAYCHANNEL-I) REPLAYERROR.XML *Note: REPLAYCHANNEL Type=(SINGLE, SINGELMANUAL, REPEAT, REPEATMANUAL, THEME, THEMEEXACT, ZONE)
GetChannelLineUp	userid, unitid	CHANNELLINEUP.XML (CHANNEL-I) REPLAYERROR.XML
ChangePassword	userid, currentpassword, newpassword	ACCOUNT.XML REPLAYERROR.XML
GetEPG	userid, unitid, starttimegmt, durationinminutes, startchannel, channelcount	XML file based on tvguide.dtd & tvprograms.dtd REPLAYERROR.XML
ShowGuide	userid, unitid, query, start, count, levelofdetail *Note: query keywords include actor, advisory, desc, impairing, title, etc.	XML file based on tvguide.dtd & tvprograms.dtd REPLAYERROR.XML

FIG. 15

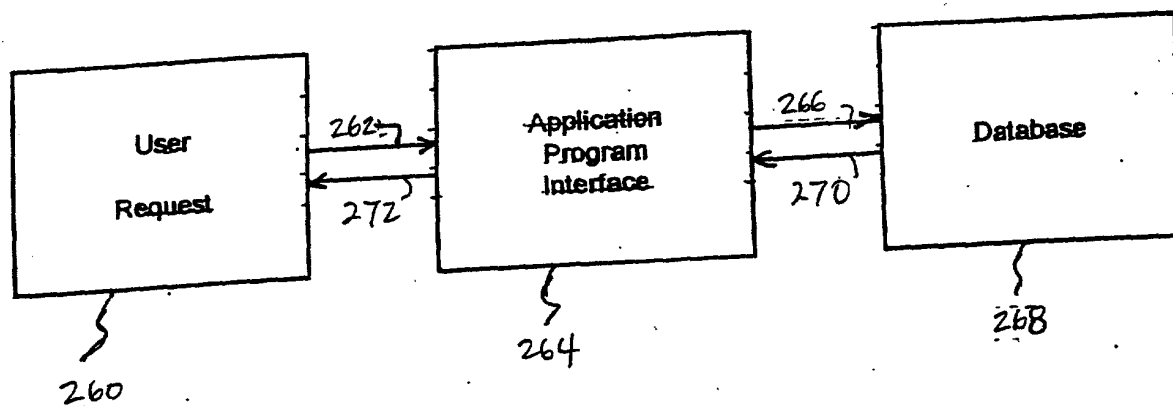


FIG. 16A

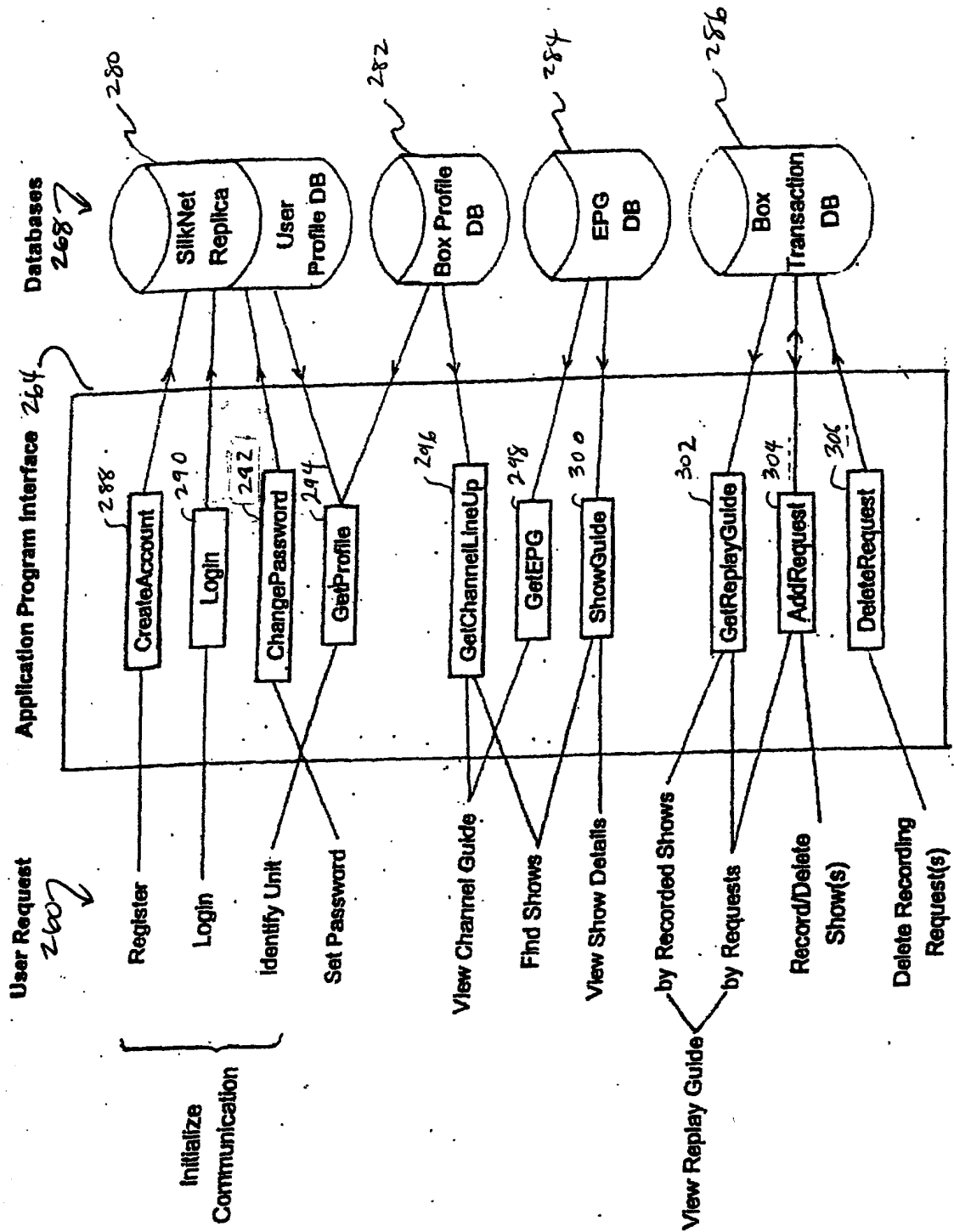


FIG. 16B

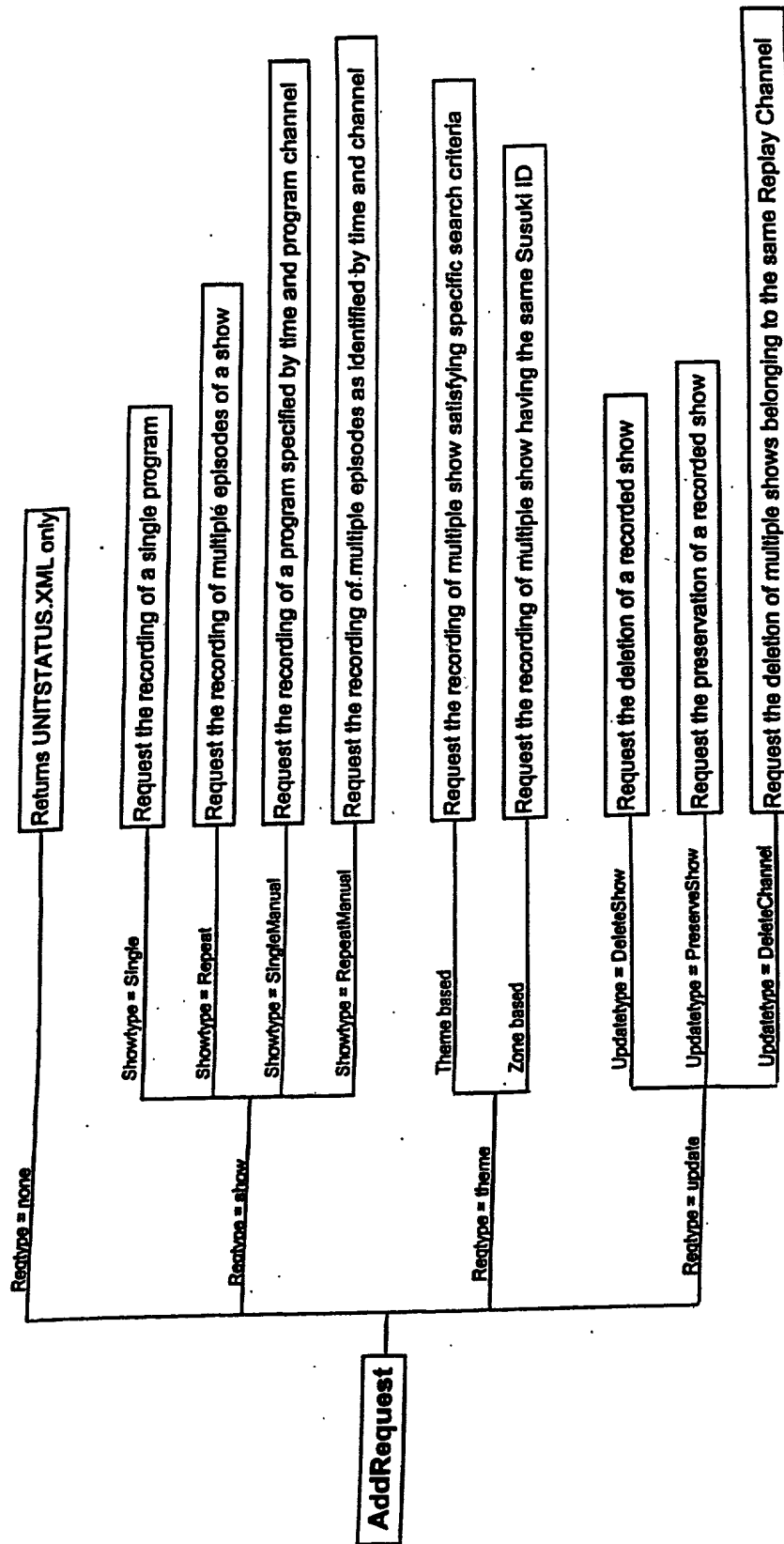


FIG. 17

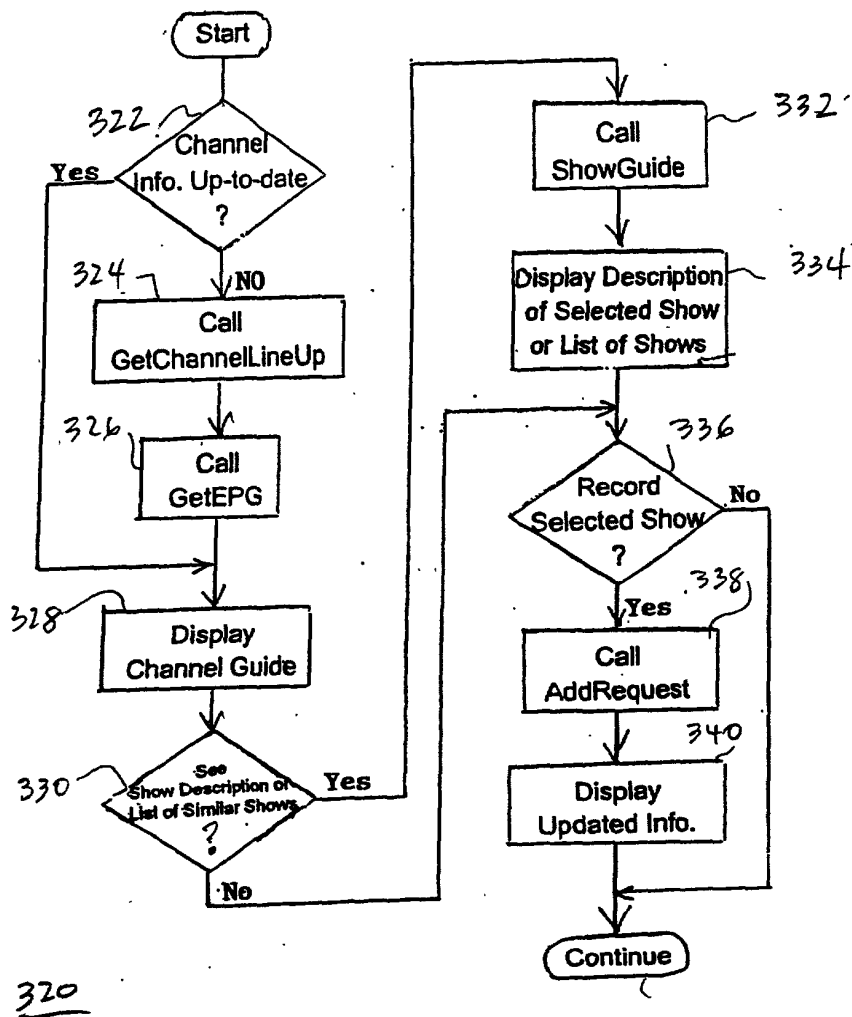
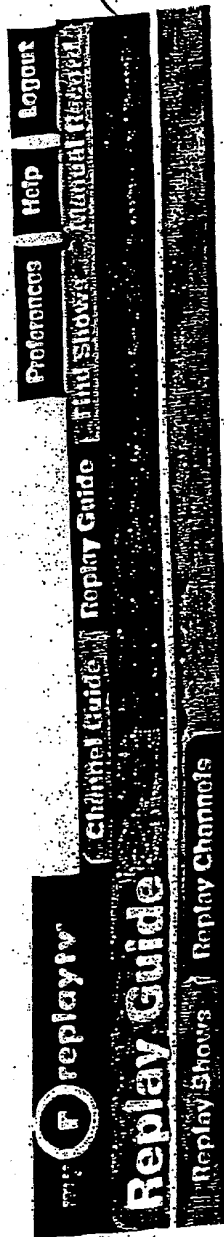


FIG. 18

FIG. 19A



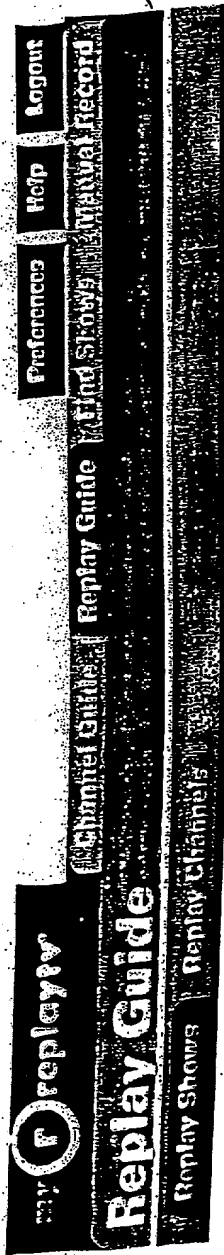
2-350

list of all the replay channels and their replay schedules

Channel Selected Channel

Channel	Details	Status	Request Date
<input type="checkbox"/> A Fistful of Dollars	This single record Replay channel was scheduled to record A Fistful of Dollars from Channel 21(TBS) on Sun, 02/18 at or around 7:00AM - 9:00AM. Guaranteed at EXTENDED quality. Nothing else is scheduled to record.		02/18
<input type="checkbox"/> Blown Away	This single record Replay channel was scheduled to record Blown Away from Channel 42(USAP) on Tue, 01/16 at or around 9:00PM - 11:30PM. Guaranteed at EXTENDED quality. Nothing else is scheduled to record.		01/16
<input type="checkbox"/> Cantonese News	This show-based Replay channel will continuously record the 1 most current episode(s) of Cantonese News occurring every (Sun, Mon, Tue, Wed, Thu, Fri, Sat) on Channel 8(KTSF) at or around 8:00PM - 9:00PM. Guaranteed at EXTENDED quality.		02/28
<input type="checkbox"/> Captain January	This single record Replay channel was scheduled to record Captain January from Channel 49(AMC) on Tue, 01/09 at or around 3:30AM - 5:00AM. Guaranteed at EXTENDED quality. Nothing else is scheduled to record.		01/09

FIG. 19A



Remember size and position of areas on your display while using the system.



Channel	Show Title/Episode	Date/Time	Station	Duration	Size
A Fistful of Dollars	<input type="checkbox"/> A Fistful of Dollars	02/18 7:00AM	21 TBS	(2h)	6.46%
Blown Away	<input type="checkbox"/> Blown Away	01/16 9:00PM	42 USAP	(2h 30m)	8.07%
Captain January	<input type="checkbox"/> Captain January	01/09 3:30AM	49 AMC	(1h 30m)	4.84%
Firewalker	<input type="checkbox"/> Firewalker	02/27 8:00PM	21 TBS	(2h)	6.46%
On Deadly Ground	<input type="checkbox"/> On Deadly Ground	01/07 9:00PM	4 KRON	(2h)	6.46%
Platoon	<input type="checkbox"/> Platoon	02/04 8:00PM	37 TNT	(2h 30m)	8.07%
The Bridge on the River Kwai	<input type="checkbox"/> The Bridge on the River Kwai	12/24 8:00AM	42 USAP	(3h 30m)	11.30%
The Little Princess	<input type="checkbox"/> The Little Princess	12/26 4:15AM	49 AMC	(1h 45m)	5.65%
The Trouble With Harry	<input type="checkbox"/> The Trouble With Harry	12/18 1:05PM	49 AMC	(1h 55m)	6.19%
Welcome to ReplayTV	<input type="checkbox"/> Welcome to ReplayTV	09/08 10:49AM		(15m)	2.42%

FIG. 19B

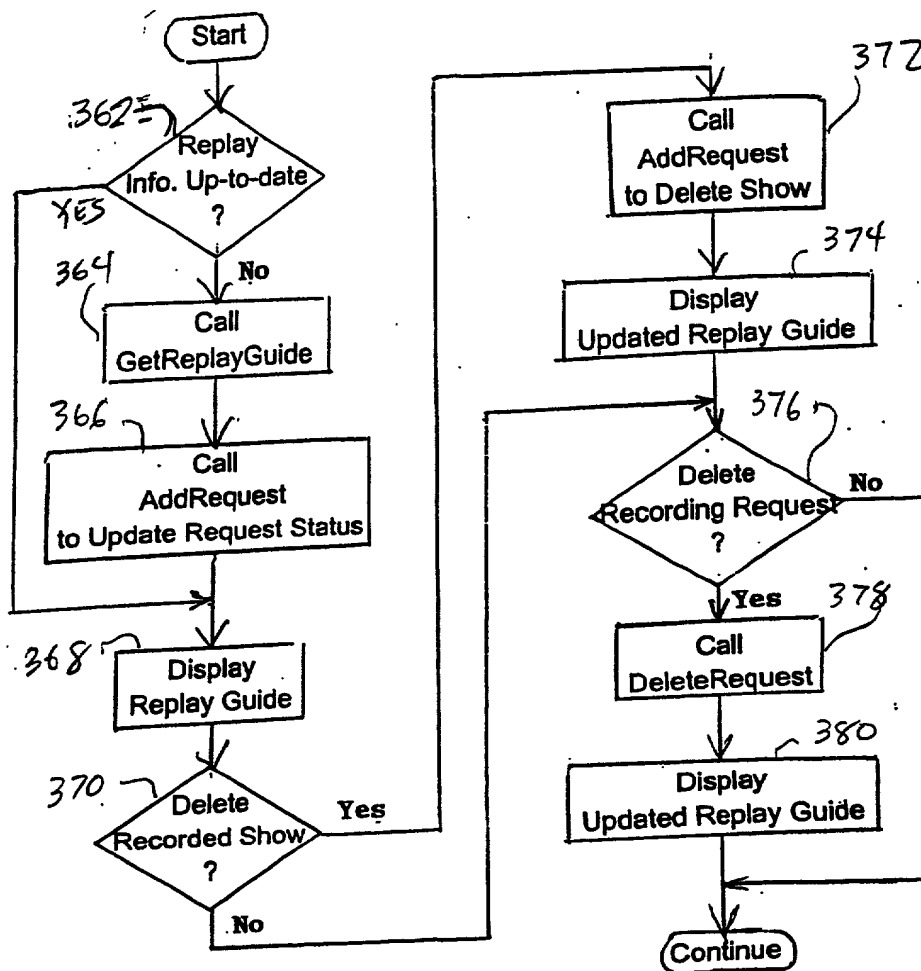


FIG. 20

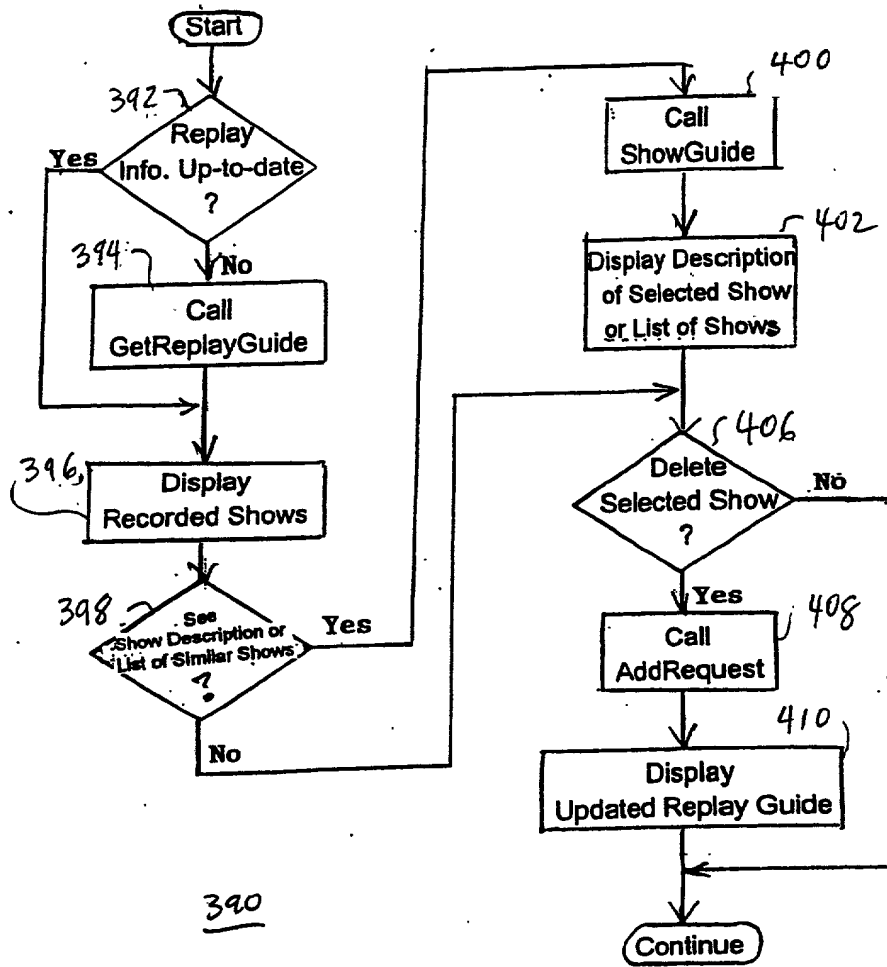


FIG. 21

FIG. 22



Find:

Enter the word or phrase that you wish to find.

In these categories:

- ☒ Show Titles ☐ Actors
☒ Descriptions ☐ Directors

Find Shows

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FIG. 22

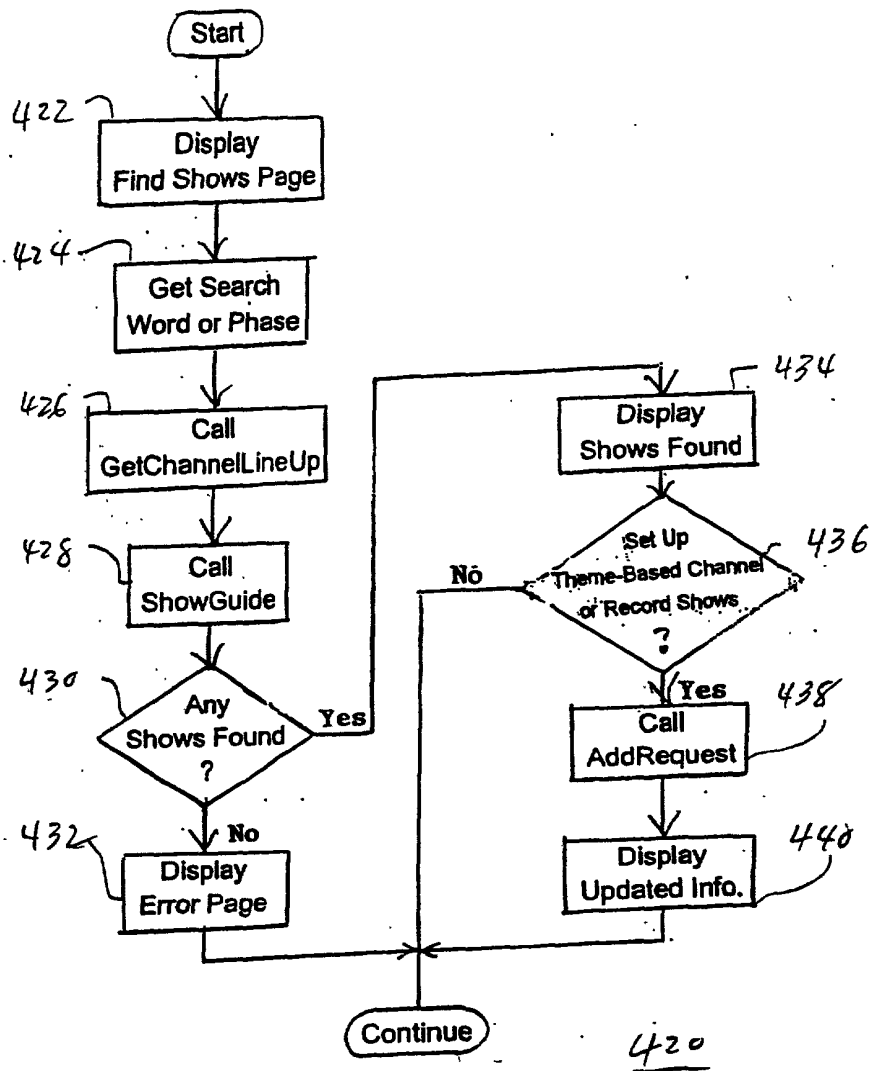


FIG. 23

FIG. 24A

my replaytv

Manual Record

Single Recording Repeat Recording

Channel Guide

Replay Guide

Find Shows

Preferences

Help

Logout

Manual Record


Recording duration:

Start Date	Mar	7	2001
Start Time		:	AM
End Time		:	AM
Channel	10 OXYGEN		
Quality	Extended		
Guaranteed	Yes		
Submit Request			

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FIG. 24A

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my  replaytv

Channel Guide Find Shows Manual Record Replay Guide

preferences
help
logout

Manual Record

3h 45m available at medium quality
as of last connection

Single Recording Repeat Recording


Days ☐ Mon ☒ Tue ☐ Wed ☐ Thu ☐ Fri ☐ Sat ☐ Sun

Start Time 7 : 58 PM ▼ End Time 11 : 02 PM ▼

Channel 4 KRON ▼

Quality Standard ▼

Guaranteed Yes ▼



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FIG. 24B

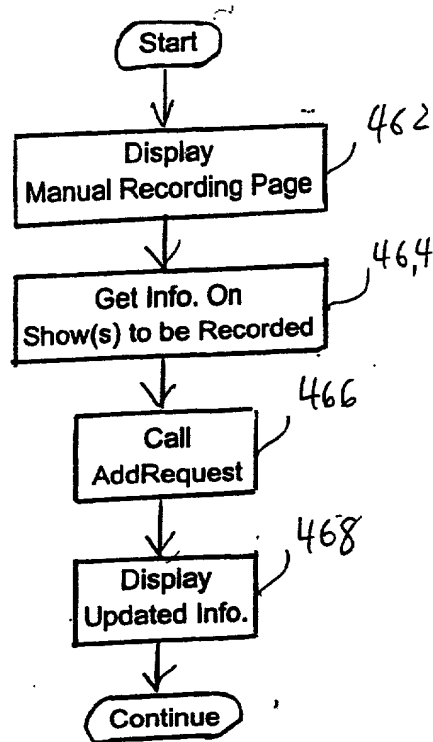


FIG. 25

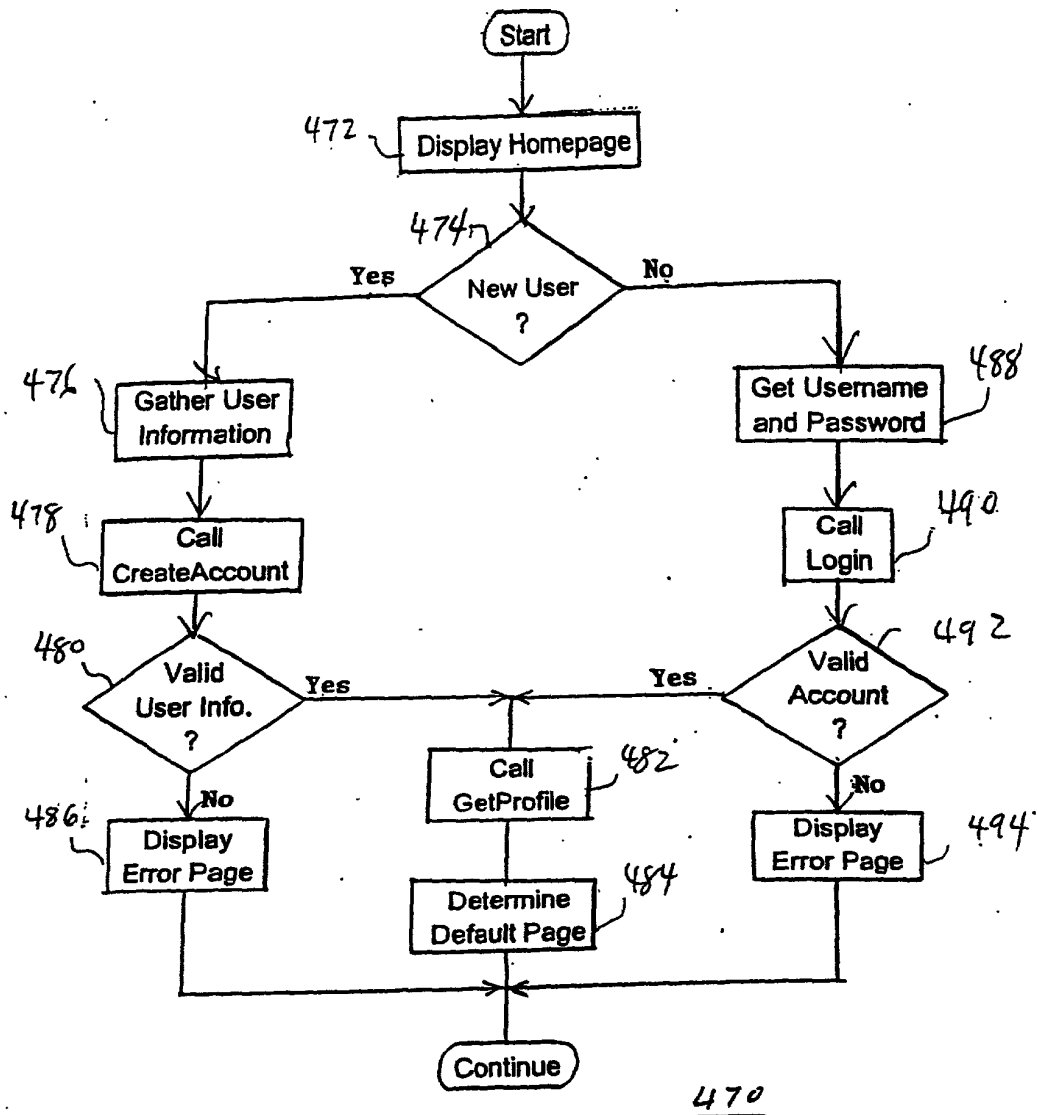


FIG. 26



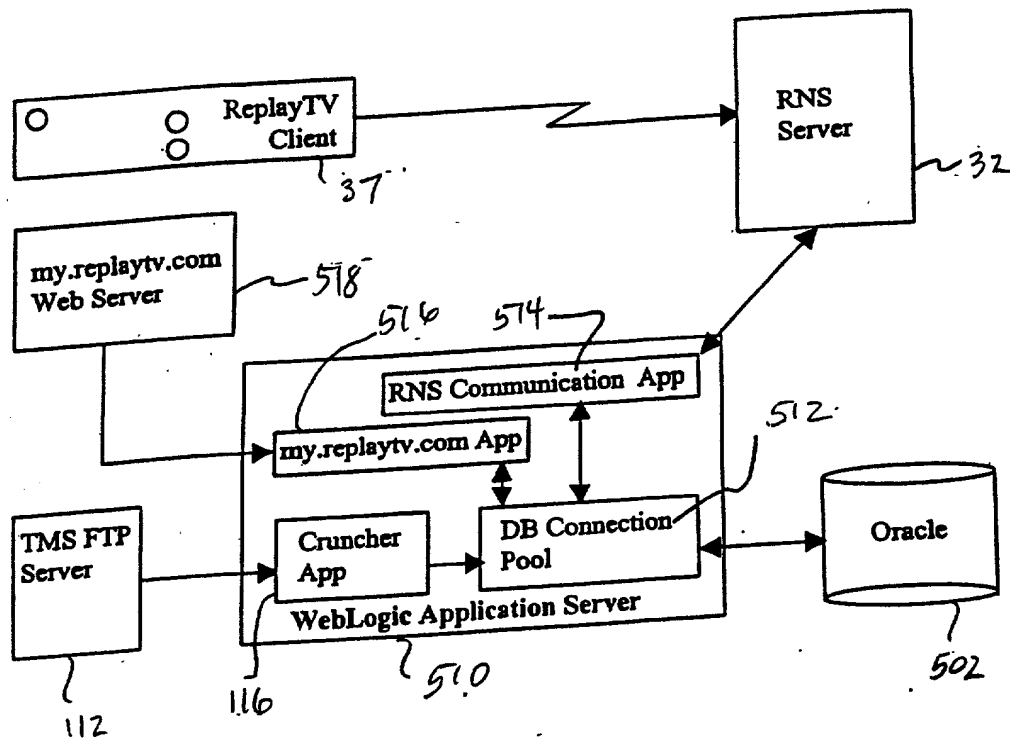


FIG. 28

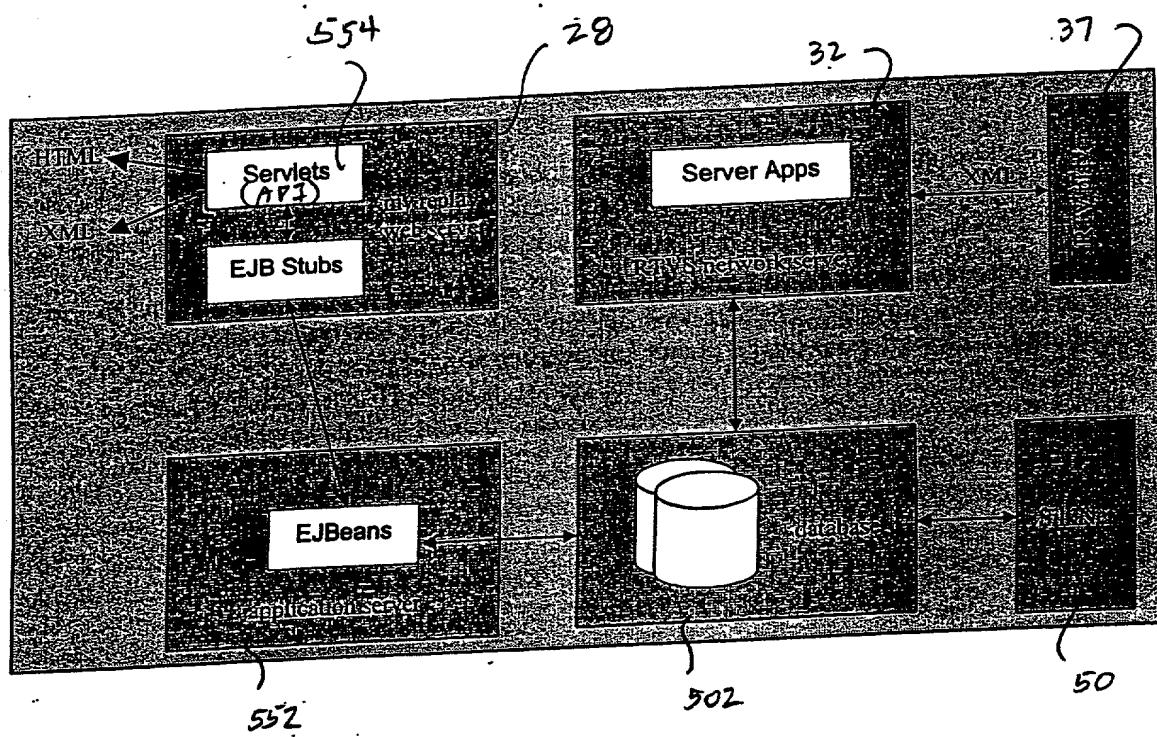


FIG. 29

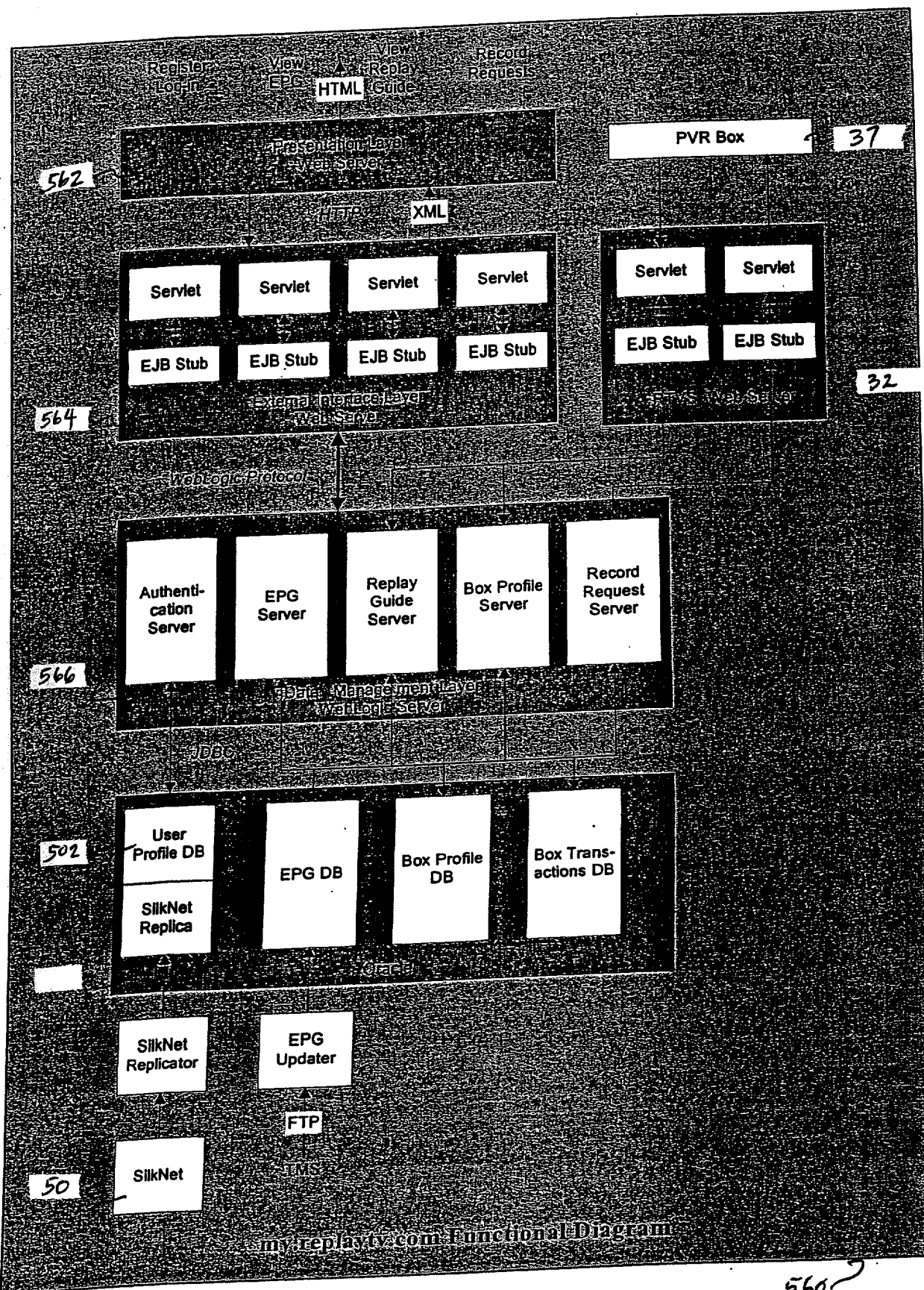


FIG. 30

560

0925421 080304

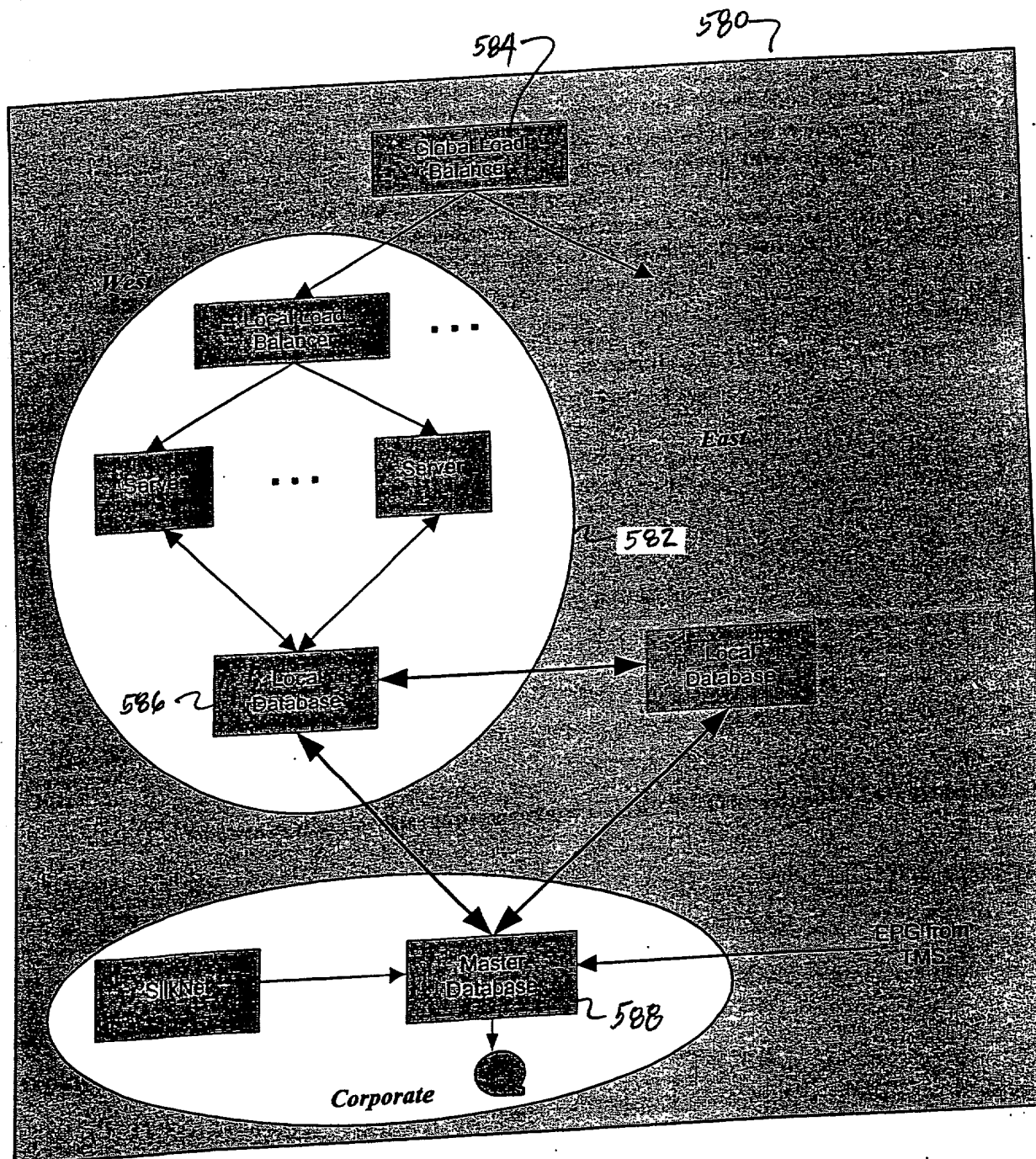


FIG. 31

009541.08001